

## CLAIMS:

1. An electric discharge lamp comprising:
  - a light-transmissive ceramic lamp vessel (1);
  - a first and a second current conductor (2,3) entering the lamp vessel (1), and each supporting an electrode (4,5) in the lamp vessel (1);
  - 5 - an ionizable filling comprising a rare gas and a metal halide in the lamp vessel (1);

at least the first current conductor (2) within the lamp vessel (1) being halide-resistant, characterized in that the first current conductor (2) at least substantially comprises a material with an at least substantially isotropic coefficient of thermal expansion.
- 10 2. An electric discharge lamp according to claim 1, wherein said material is chosen from the group of  $\text{Mo}_5(\text{Si},\text{X})_3$ , wherein X is B, Al, N or C.
3. An electric discharge lamp according to claim 2, wherein said material is  
15 pentamolybdenum diboride silicide.
4. An electric discharge lamp according to claim 1, 2 or 3, wherein also the second current conductor (3) at least substantially comprises a material with an at least substantially isotropic coefficient of thermal expansion.
- 20 5. An electric discharge lamp according to claim 4, wherein said material is chosen from the group of  $\text{Mo}_5(\text{Si},\text{X})_3$ , wherein X is B, Al, N or C preferably is pentamolybdenum diboride silicide.
- 25 6. An electric discharge lamp according to any one of the preceding claims 1 through 5, wherein said material is co-sintered to the ceramic material of the lamp vessel (1) at a manufacturing temperature of the lamp.

7. An electric discharge lamp according to any one of the preceding claims 1 through 5, wherein the first and the second current conductor (2,3) each extend from a sealing compound (6) sealing the lamp vessel (1) around the current conductors (2,3) in a gastight manner to the exterior of the lamp vessel (1), and wherein the lamp vessel (1) has  
5 extended plugs (11,12) in which a respective current conductor (2,3) is enclosed, which plugs (11,12) have a free end (111,112) where the lamp vessel (1) is sealed by the sealing compound (6).